

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A construction material comprising:
a plant-based component, said plant-based component is added in a volume sufficient to be an aggregate for said construction material,
a mixture M1 of a hydraulic binder and a mineralizer, wherein the proportions of the components constituting the mixture M1 comprise between approximately 50 wt% and approximately 90 wt% of the hydraulic binder and between approximately 10 wt% and approximately 50 wt% of the mineralizer, and the mineralizer is comprised of a mixture M2 of calcium carbonate CaCO_3 and magnesium carbonate MgCO_3 , the proportions of the components constituting the mixture M2 comprise between approximately 60 wt% and approximately 95 wt% of the CaCO_3 and between approximately 5 wt% and approximately 40 wt% of the MgCO_3 .
2. (Previously Presented) The construction material according to claim 1, wherein the proportions of the components constituting the mixture M1 comprise between 6/10 and 4/5 of the binder and between 1/5 and 4/10 of the mineralizer.
3. (Previously Presented) The construction material according to claim 1 characterized in that wherein the proportions of the components constituting the mixture M2 comprise between 2/3 and 9/10 of the CaCO_3 and between 1/10 and 1/3 of the MgCO_3 .
4. (Previously Presented) Construction material according to claim 1, wherein for 1 m^3 of plant-based component, the mixture M1 is comprised of 75 kg of mineralizer M2 and of 225 kg of binder in proportion of 25 wt% to 75 wt%, and the mixture M2 of 60 kg of calcium carbonate and of 15 kg of magnesium carbonate in proportions 80 wt% to 20 wt%.

5. (Previously Presented) The construction material according to claim 1, further comprising an additional mixture M3 provided in defined application-oriented dependent proportions.

6. (Previously Presented) The construction material according to claim 5, wherein the mixture M3 comprises gypsum.

7. (Previously Presented) The construction material according to claim 5, wherein the mixture M3 comprises a flow agent.

8. (Previously Presented) The construction material according to claim 5 wherein for 1 m³ of plant-based component, the mixture M1 is comprised of 60 kg of mineralizer according to M2 and of 100 kg of binder in proportions 37.50 wt% to 62.50 wt%, and the mixture M2 of 42 kg of calcium carbonate and of 18 kg of magnesium carbonate in proportions 70 wt% to 30 wt%, and the mixture M3 comprises 200 kg of gypsum.

9. (Previously Presented) The construction material according to claim 1, wherein the plant-based component comprises materials comprising miscanthus, hemp, softwood, sugar cane, straw, switchgrass or panicum virgatum, Italian ryegrass, reed, the materials being present individually or in different combinations, wherein the materials are comminuted.

10. (Previously Presented) The construction material according to claim 9, wherein the comminuted particles are elongate particles comprising at least one of fibers of up to approximately 40 mm and a granulate of a grain size up to 8 mm.

11. (Previously Presented) The construction material according to claim 9, wherein the plant-based component comprises a mixture of miscanthus and softwood, with respective volumetric contents of 85 % and 15 % by volume.

12. (Previously Presented) The construction material according to claim 9 wherein the plant-based component comprises a mixture of miscanthus, softwood, and hemp, with respective volumetric contents of 75 %, 20 %, and 5 % by volume.

13. (Previously Presented) The construction material according to claim 1, wherein the mixture of plant-based component and the mixture M1 is mixed with a quantity of mixing water to produce a consistency K_f wherein K_f equals the stiffness of the fresh concrete moister than moist earth and loose when shaken.

14. (Previously Presented) The construction material according to claim 13, wherein for 1 m³ of plant-based component, the quantity of mixing water is approximately 300 liters.

15. (Previously Presented) The construction material according to claim 14, further comprising a fungicide admixed with the mixing water, by addition of approximately 2/3 liters of sodium hydroxide for 1,000 liters of mixing water.

16. (Previously Presented) The construction material according to claim 1, wherein the binder is Portland cement of a standardized grade, said standardized grade being strength class 52.5.

17. (Currently Amended) A method for producing a construction material wherein the construction material comprises a plant basis (PB) plant-based component, said plant-based component is added in a volume sufficient to be an aggregate for said construction material containing which contains a mixture M1 of a hydraulic binder and a mineralizer, wherein the weight proportions of the components constituting the mixture M1 comprise between approximately 50 wt% and approximately 90 wt% of the binder and between approximately 10% and approximately 50% of the mineralizer, and the mineralizer is comprised of a mixture M2 of calcium carbonate CaCO₃ and magnesium carbonate MgCO₃, the weight proportions of the components constituting the mixture M2 comprise between approximately 60 wt% and approximately 95 wt% of the CaCO₃ and between approximately 5 wt% and approximately 40

w1% of the MgCO_3 and an additional mixture M3 provided in defined application-oriented dependent proportions;

the method comprising:

preparing the mixture M2 comprised of calcium carbonate CaCO_3 and magnesium carbonate MgCO_3 in defined application-oriented dependent proportions, preparing the mixture M3 further comprising at least one additional material in defined application-oriented proportions and admixed with the mixture M2, and preparing the mixture M1 of the binder and the mineralizer in defined application-oriented dependent proportions, mixing the mixture PB + M1 + M3 into a quantity of mixing water that is defined according to a desired consistency K_v .

18. (Currently Amended) The method for producing a construction material according claim [[7]] 17, wherein the mixture M2 comprised of calcium carbonate CaCO_3 and magnesium carbonate MgCO_3 is prepared according to defined application-oriented proportions, the mixture M3 comprising at least one additional material is prepared in defined application-oriented proportions and admixed with the mixture M2, and [[-]] the mixture M1 is comprised of the binder and the mineralizer prepared according to defined application-oriented dependent proportions, the mixture PB + M1 + M3 is extruded.

19. (Previously Presented) The method according to claim 17, wherein the preparation of the mixture PB + M1 + M3 takes place in a single process step, and the mineralizer and the mixture M3 are previously admixed with the binder directly in the binder plant according to determined specifications.

Claims 20-31 (Cancelled)